

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| L1 | 2 | "20030117455" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 11:37 |
| L2 | 2 | "6476928".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 12:09 |
| L3 | 0 | (L1 or L2) and shingling | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 12:14 |
| L4 | 2 | "6517184".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 12:30 |
| S2 | 34 | ("6003980" "6089693" "6352331" "6378976" "6447091" "6517184" "6517183" "6585346" "6652064" "6565179" "20020085057" "20030001915" "20030020777" "20020027575" "20030117455" "20030122886" "20030137549" "20030151167" "20030160838").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 08:01 |
| S3 | 7 | "347"/\$3 and memory same nozzle\$1 with (missing or malfunction \$3 or inactive) same (status or location) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:37 |
| S4 | 1 | "347"/\$3 and memory same nozzle\$1 with (missing or malfunction \$3 or inactive) with location same (status or location) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 09:15 |

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|-----|-------|--|--|----|-----|---------------------|
| S5 | 305 | "347"/\$3 and memory with firmware | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 09:48 |
| S6 | 55 | "347"/\$3 and memory with firmware with read \$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:08 |
| S7 | 28 | "347"/\$3 and memory with firmware with read \$3 and format\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:00 |
| S8 | 5 | "347"/\$3 and memory with firmware with read \$3 same format\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 09:53 |
| S9 | 24 | "347"/\$3 and memory with firmware with read \$3 and (format or formatting or forming or formats or formatted) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:01 |
| S10 | 7 | ("6003980" "6089693" "6352331" "6378976" "6447091" "6517184" "6517183" "6585346" "6652064" "6565179" "20020085057" "20030001915" "20030020777" "20020027575" "20030117455" "20030122886" "20030137549" "20030151167" "20030160838").pn. and firmware | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:04 |
| S11 | 3 | "347"/\$3 and memory with firmware with read \$3 with printer with print \$head\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:17 |
| S12 | 37052 | "347"/\$3 and printer with firmware with read \$3 memory with (print \$head\$1 or head\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:17 |

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| S13 | 37052 | "347"/\$3 and printer with firm\$ware with read \$3 memory with (print \$head\$1 or head\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:17 |
| S14 | 5 | "347"/\$3 and printer with firm\$ware with read \$3 with memory with (print\$head\$1 or head \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:19 |
| S15 | 19 | "347"/\$3 and printer with firm\$ware with memory with (print\$head \$1 or head\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:19 |
| S16 | 5 | S3 and algorithm\$1 and memory | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:26 |
| S17 | 24 | "347"/\$3 and nozzle\$1 with data with (format or formatting or formats or forming or formatted or formatted) with print | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:35 |
| S18 | 659 | "347"/\$3 and data with (format or formatting or formats or forming or formatted or formatted) with print | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:36 |
| S19 | 12 | "347"/\$3 and data near3 (format or formatting or formats or forming or formatted or formatted) near3 print near2 job | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:36 |
| S20 | 13 | "347"/\$3 and data near3 (format or formatting or formats or forming or formatted or formatted) near3 print near2 job\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:37 |
| S21 | 2 | (nozzle\$1 near4 data) with (format or formats or formatting or forming) near (image or print near1 job) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:53 |

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| S22 | 7 | (nozzle\$1 near5 (data or information)) with (format or formats or formatting or forming or change or changes or changing or altering or alter or alters) near (image or print near1 job) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 10:56 |
| S23 | 1 | "347"/\$3 and memory same firmware same formatter same shingling | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:01 |
| S24 | 1 | "347"/\$3 and memory same firmware same format\$4 same shingling | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:01 |
| S25 | 1 | "347"/\$3 and memory same firm\$ware same format\$4 same shingl\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:02 |
| S26 | 1 | "347"/\$3 and memory same format\$4 same shingl\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:04 |
| S27 | 4 | "347"/\$3 and memory same (format\$4 or alter \$3 or chang\$3) same shingl\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:05 |
| S28 | 16 | "347"/\$3 and (format or formats or formatting or formatted or forming or formated) same shingl \$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 11:06 |
| S29 | 0 | ("6003980" "6089693" "6352331" "6378976" "6447091" "6517184" "6517183" "6585346" "6652064" "6565179" "20020085057" "20030001915" "20030020777" "20020027575" "20030117455" "20030122886" "20030137549" "20030151167" "20030160838").pn. and | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:41 |

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| | | automated | | | | |
| S30 | 1 | "347"/\$3 and automated with detection same location with (missing or malfunctioning or malfunction\$2 or inoperable or inactive) with nozzle\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:54 |
| S31 | 1 | "347"/\$3 and automated same location with (missing or malfunctioning or malfunction\$2 or inoperable or inactive) with nozzle\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:42 |
| S32 | 49 | "347"/\$3 and automated with detection | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:56 |
| S33 | 1 | "347"/\$3 and automated with detection with (stor \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:56 |
| S34 | 1 | "347"/\$3 and automated with detection with (stor \$3 or memory) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:56 |
| S35 | 2 | "347"/\$3 and automated with detection and nozzle\$1 with detect\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/01 11:56 |
| S36 | 3 | "347"/\$3 and automated with detect\$3 and nozzle \$1 with detect\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/30 12:57 |
| S37 | 2935 | 347/19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/15 10:30 |
| S38 | 4 | ("6517184" "6719391"). pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/15 10:37 |

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| S39 | 2 | "20050225588" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/15 10:37 |
| S40 | 14 | ("6003980" "6089693" "6352331" "6378976" "6447091" "6517184" "6517183" "6585346" "6652064" "6565179" "20020085057" "20030001915" "20030020777" "20020027575" "20030117455" "20030122886" "20030137549" "20030151167" "20030160838").pn. and memory same (cartridge or housing or chamber or nozzle or orifice or ejector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 14:18 |
| S41 | 33 | "347"/\$3 and (memory or RAM or ROM or RFID) same (nozzle\$1 or ejector or orifice) with (missing or malfunction\$3 or inactive or inactivity) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:39 |
| S42 | 27 | "347"/\$3 and (memory or RAM or ROM or RFID) same (nozzle\$1 or ejector or orifice) with (missing or malfunction\$3 or inactive or inactivity) not bruch.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:41 |
| S43 | 27 | ("347"/\$3 and (memory or RAM or ROM or RFID) same (nozzle\$1 or ejector or orifice) with (missing or malfunction\$3 or inactive or inactivity)) not bruch.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:43 |

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| S44 | 4 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) same (nozzle\$1 or ejector or orifice) with (missing or malfunction \$3 or inactive or inactivity)) not bruch.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:43 |
| S45 | 1094 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) same (nozzle\$1 or ejector or orifice)) not bruch.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/22 14:44 |
| S46 | 508 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) same (nozzle\$1 or ejector or orifice)) and ((nozzle\$1 or ejector or orifice) same (location or malfunction\$3 or status)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 14:48 |
| S47 | 371 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) with (nozzle\$1 or ejector or orifice)) and ((nozzle\$1 or ejector or orifice) same (location or malfunction\$3 or status)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 15:03 |
| S48 | 2 | "5610635".pn. and memory same (orifice or ejector or nozzle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 14:59 |
| S49 | 81 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) with (nozzle\$1 or ejector or orifice) same (location or malfunction \$3 or status)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 15:14 |

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| S50 | 70 | ("347"/\$3 and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) with (nozzle\$1 or ejector or orifice) same (location or malfunction \$3 or status)) and (memory or ram or rom or rfid) with (status or location or mal\$function \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 15:22 |
| S51 | 39 | ((347/85 or 347/86 or 347/19) and (memory or RAM or ROM or RFID) with (cartridge or carrier or housing or head or print\$head) with (nozzle\$1 or ejector or orifice) same (location or malfunction \$3 or status)) and (memory or ram or rom or rfid) with (status or location or mal\$function \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 15:25 |
| S52 | 17 | "5615312" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/05 14:45 |
| S53 | 2 | "5615312".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/10/23 12:08 |
| S54 | 2383 | "347"/\$3 and (print \$head or head or cartridge or array) same (memory or RAM or ROM or eeprom or eprom) same (nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:09 |
| S55 | 1018 | "347"/\$3 and (print \$head or head or cartridge or array) with (memory or RAM or ROM or eeprom or eprom) with (nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:14 |

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| S56 | 978 | "347"/\$3 and (print \$head or head or cartridge) with (memory or RAM or ROM or eeprom or eprom) with (nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:31 |
| S57 | 687 | "347"/\$3 and (print \$head or head or cartridge) with (memory or RAM or ROM or eeprom or eprom) with (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:38 |
| S58 | 250 | "347"/\$3 and (print \$head or head or cartridge) with (memory or RAM or ROM or eeprom or eprom) near6 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:38 |
| S59 | 433 | "347"/\$3 and (print \$head or head or cartridge) with (memory or RAM or ROM or eeprom or eprom) near10 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:38 |
| S60 | 350 | "347"/\$3 and (print \$head or head or cartridge) near10 (memory or RAM or ROM or eeprom or eprom) near10 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:52 |
| S61 | 1 | "347"/\$3 and (print \$head or head or cartridge) near3 (on or located) near4 (memory or RAM or ROM or eeprom or eprom) near10 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:46 |

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|-----|----|--|--|-----|----|---------------------|
| S62 | 1 | "347"/\$3 and (print \$head or head or cartridge) near3 (on or locat\$3) near4 (memory or RAM or ROM or eeprom or eprom) near10 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:46 |
| S63 | 1 | "347"/\$3 and (print \$head or head or cartridge) near3 ("on" or locat\$3) near4 (memory or RAM or ROM or eeprom or eprom) near10 (nozzle or ejector or orifice) not silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:48 |
| S64 | 2 | "20010007458" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 13:08 |
| S65 | 71 | "6227643" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 12:56 |
| S66 | 9 | "6227643" and (memory or ram or rom or eeprom or eprom) with (nozzle or orifice or ejector) with (cartridge or print\$1head or printhead or head) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 13:01 |
| S67 | 2 | "20010007458" and memory same ("78" or nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 13:15 |
| S68 | 1 | "20010007458" and (("78" or memory) same nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/23 13:21 |
| S69 | 1 | "20010007458" and (("78" or memory) same (nozzle or ejector or orifice)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/10/26 14:33 |

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| S70 | 2 | "20010007458".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/03 12:29 |
| S71 | 5207 | (347/84,85,86).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/03 12:38 |
| S72 | 1 | S71 and (memory or ram or rom or eeprom or eprom or prom or rfid) near (nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 12:41 |
| S73 | 4 | S71 and (memory or ram or rom or eeprom or eprom or prom or rfid) near3 (nozzle or ejector or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 12:51 |
| S74 | 14 | S71 and (memory or ram or rom or eeprom or eprom or prom or rfid) near3 (nozzle or ejector or orifice or drop \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 14:29 |
| S75 | 467 | "347"/\$3 and (memory or ram or rom or eeprom or eprom or prom or rfid) near3 (nozzle or ejector or orifice or drop\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 14:53 |
| S76 | 28 | "347"/\$3 and (cartridge or casing or housing) near4 (memory or ram or rom or eeprom or eprom or prom or rfid) near3 (nozzle or ejector or orifice or drop\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 15:02 |
| S77 | 1 | "6435676".pn. and ("48" same "49") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:18 |
| S78 | 1 | "6435676".pn. and (memory same (nozzle or orifice or eject\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:20 |

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| S79 | 1 | "6435676".pn. and (memory same (nozzle or orifice or eject\$3 or oriface or orafice)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:21 |
| S80 | 2 | "6435676".pn. and ((memory or circuit\$3) same (nozzle or orifice or eject\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:26 |
| S81 | 8 | "6517184" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:28 |
| S82 | 2 | "20010007458" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:31 |
| S83 | 2 | "6719391".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/10 09:31 |
| S84 | 2 | "6435676".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 09:01 |
| S85 | 2 | "6517184".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 08:30 |
| S86 | 1 | 10/822359 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 08:30 |
| S87 | 2 | "6719391".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 09:01 |

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| S88 | 86 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat \$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 08:49 |
| S89 | 86 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or ineffect\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 09:48 |
| S90 | 9 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (missing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 10:34 |
| S91 | 2076 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice)) not (S89 or S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 10:35 |

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|-----|-----|--|--|-----|-----|---------------------|
| S92 | 250 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice port) near (data or clog\$4 or operation\$3 or non \$1operat\$3 or function \$3 or non\$1function\$3 or improper\$3 or stop\$3 or dried or dry or harden \$3)) not (S89 or S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 10:43 |
| S93 | 249 | ("347"/\$3 and (memory or RAM or ROM or RFID or eeprom or eprom or prom) with (cartridge or head or print\$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice port) near (data or clog\$4 or operation\$3 or non\$1operat\$3 or function\$3 or non \$1function\$3 or improper \$3 or stop\$3 or dried or dry or harden\$3)) not (S89 or S90) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 11:48 |
| S94 | 182 | ("347"/\$3 and (memory or RAM or ROM or RFID or stor\$3 or tag or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 12:16 |
| S95 | 1 | "6517184".pn. and (nozzle\$1 same memory) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2008/02/21 12:50 |

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|-----|---|---|--|----|----|---------------------|
| S96 | 7 | ("347"/\$3 and (memory or RAM or ROM or RFID or stor\$3 or tag or eeprom or eprom or prom) with (cartridge or housing or head or print \$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3) near (location or coordinat\$3 or place)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:13 |
| S97 | 7 | ("347"/\$3 and (memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3) near (location or coordinat\$3 or place)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:15 |
| S98 | 9 | ("347"/\$3 and (memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3) with (location or coordinat\$3 or place)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:16 |
| S99 | 9 | ("347"/\$3 and (memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3 or harden\$3 or non\$1operat\$3) with (spot or location or coordinat\$3 or place)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:20 |

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| S100 | 24 | ("347"/\$3 and (memory or ram or rom or RFID or eeprom or eprom or prom or stor\$3) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3 or harden\$3 or non\$1operat\$3) with (spot or location or coordinat\$3 or place)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:30 |
| S101 | 14 | ("347"/\$3 and (memory or RAM or ROM or RFID or stor\$3 or tag or eeprom or eprom or prom) with (cartridge or housing or head or print\$head)) and ((memory or ram or rom or RFID or eeprom or eprom or prom) with (nozzle or eject\$3 or orifice) with (malfunction\$3 or error or clog\$4 or inoperat\$4 or fail\$3 or stop\$3 or miss\$3)) and hewlett.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/21 13:42 |

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